

| Ref<br># | Hits | Search Query                           | DBs   | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|--|---|---------------------|---------|------------------|
| L1       | 197  | 380/262.ccls.                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/11/18 14:41 |
| L2       | 165  | 380/268.ccls.                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/11/18 14:47 |
| L3       | 96   | 380/265.ccls.                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/11/18 14:48 |
| L4       | 625  | 380/46.ccls.                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/11/18 14:49 |
| L5       | 951  | I1 or I2 or I3 or I4                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/11/18 14:49 |
| L6       | 160  | I5 and clock adj signal                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/11/18 14:51 |
| L7       | 141  | l6 and @ad<"19991101"                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR .                | OFF     | 2004/11/18 14:52 |
| L8       | 0    | l6 and random adj seed and permutat\$4 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR .                | OFF     | 2004/11/18 14:53 |

| L9  | 0    | I7 and seed and permutat\$4       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 14:53 |
|-----|------|-----------------------------------|---|----|-----|------------------|
| L10 | 0    | 16 and seed and permutat\$4       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 14:54 |
| L11 | 12   | I7 and permutat\$4                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 14:55 |
| L12 | 110  | register and keystream            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ÖR | OFF | 2004/11/18 14:55 |
| L13 | 23   | I12 and clock adj signal          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 14:57 |
| L14 | 1    | I12 and clock adj signal and seed | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 15:06 |
| L15 | 2292 | merkle.in.                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 15:06 |
| L16 | 1    | merkle.in. and s\$1box            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 15:10 |

| L17 | 119  | generat\$5 near3 keystream  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 15:10 |
|-----|------|---|---|----|-----|------------------|
| L18 | 2    | l17 and three adj stages  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 15:14 |
| L19 | . 41 | random\$5 with (3 or three) adj<br>stages   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 15:33 |
| L20 | 1    | l19 and key with generat\$5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 15:37 |
| L21 | 804  | permutation with random\$5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 15:41 |
| L22 | 2    | "4860353".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 15:41 |
| L23 | 7    | ("3781473"   "3911330"  <br>"4274085"   "4343967"   "4434322"<br>  "4760598"   "4797921").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2004/11/18 16:12 |
| L24 | 9    | extended adj galois adj field   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2004/11/18 16:15 |
| L25 | 0    | l23 and l24   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2004/11/18 16:15 |
| L26 | 1428 | galois adj field  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2004/11/18 16:15 |
| L27 | 9    | I24 and I26   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2004/11/18 16:16 |

| L28 | 1   | 123 and 126                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/11/18 16:20 |
|-----|-----|-----------------------------|------------------------------|----|-----|------------------|
| L29 | 940 | 713/400.ccls.               | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/11/18 16:21 |
| L30 | 14  | I29 and generat\$5 with key | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/11/18 16:22 |

| Ref<br># | Hits | Search Query  | .DBs  | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|---|---|---------------------|---------|------------------|
| L1       | 1195 | 380/44-47.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR                  | OFF     | 2004/11/18 17:55 |
| L2       | 445  | I1 and clock  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR                  | OFF     | 2004/11/18 17:55 |
| L3       | 72   | 12 and seed   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR                  | OFF     | 2004/11/18 17:55 |
| L4       | 12   | I3 and permuta\$5   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR                  | OFF     | 2004/11/18 18:17 |
| L5       | 165  | I1 and random\$6 with seed  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR                  | OFF     | 2004/11/18 18:17 |
| L6       | 111  | I5 and @ad<"19991101"   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR                  | OFF     | 2004/11/18 18:24 |
| L7       | 30   | l6 and permuta\$6   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR                  | OFF     | 2004/11/18 18:38 |
| L8       | 46   | I1 and galois adj field   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR                  | OFF     | 2004/11/18 18:43 |
| L9       | 0    | I1 and galois and s\$box\$3 and "8*8" and "non-linear" and polynomials and primitive and irreducible and "128 bits" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/11/18 18:47 |
| L10      | 311  | I1 and (galois or s\$box\$3 or "8*8" or "non-linear" or polynomials or primitive or irreducible or "128 bits")      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/11/18 18:49 |
| L11      | 238  | l10 and @ad<"19991101"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/11/18 18:49 |
| S1       | 197  | 380/262.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/11/18 14:41 |

| S2        | 165 | 380/268.ccls.                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 14:47 |
|-----------|-----|--|---|----|-----|------------------|
| S3        | 96  | 380/265.ccls.                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 14:48 |
| S4        | 625 | 380/46.ccls.                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 14:49 |
| S5        | 951 | S1 or S2 or S3 or S4                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;            | OR | OFF | 2004/11/18 14:49 |
| S6        | 160 | S5 and clock adj signal                | IBM_TDB US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB        | OR | OFF | 2004/11/18 14:51 |
| S7        | 141 | S6 and @ad<"19991101"                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 14:52 |
| S8        | 0   | S6 and random adj seed and permutat\$4 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 14:53 |
| <b>S9</b> | 0   | S7 and seed and permutat\$4            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 14:53 |

| · S10 | 0    | S6 and seed and permutat\$4       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2004/11/18 14:54 |
|-------|------|-----------------------------------|---|-----|-----|------------------|
| S11   | 12   | S7 and permutat\$4                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2004/11/18 14:55 |
| S12   | 110  | register and keystream            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2004/11/18 14:55 |
| S13   | 23   | S12 and clock adj signal          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;                        | OR  | OFF | 2004/11/18 14:57 |
|       |      | 96 T                              | DERWENT;<br>IBM_TDB   | * * | ,   |                  |
| S14   | 1    | S12 and clock adj signal and seed | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2004/11/18 15:06 |
| S15   | 2292 | merkle.in.                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2004/11/18 15:06 |
| S16   | 1    | merkle.in. and s\$1box            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2004/11/18 15:10 |
| S17   | 119  | generat\$5 near3 keystream        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2004/11/18 15:10 |

| S18 | 2    | S17 and three adj stages  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 15:14 |
|-----|------|---|---|----|-----|------------------|
| S19 | 41   | random\$5 with (S3 or three) adj<br>stages  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 15:33 |
| S20 | 1    | S19 and key with generat\$5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 15:37 |
| S21 | 804  | permutation with random\$5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 15:41 |
| S22 | 2    | "4860353".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/18 15:41 |
| S23 | 7    | ("3781473"   "3911330"  <br>"4274085"   "4343967"   "4434322"<br>  "4760598"   "4797921").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2004/11/18 16:12 |
| S24 | 9    | extended adj galois adj field   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2004/11/18 16:15 |
| S25 | 0    | S23 and S24   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2004/11/18 16:15 |
| S26 | 1428 | galois adj field  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2004/11/18 16:15 |
| S27 | 9    | S24 and S26   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2004/11/18 16:16 |
| S28 | 1    | S23 and S26   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2004/11/18 16:20 |
| S29 | 940  | 713/400.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2004/11/18 16:21 |

| S30 | 14 | S29 and generat\$5 with key | US-PGPUB;<br>USPAT; | OR | OFF | 2004/11/18 17:54 |
|-----|----|-----------------------------|---------------------|----|-----|------------------|
|     |    |                             | USOCR               |    |     |                  |